

VIAPAL® UP 185 E/70

TYPE

UP-resin based on iso-phthalic acid
enhanced shelf life

REACTIVITY

medium reactive

SPECIAL PROPERTIES

superior elongation at break, impact strength and good resistance to chemicals

USE

as flexibilizer resin for mixtures with hard, chemical resistant VIAPAL-types like e.g. UP 746/58 or VUP 4714/60

PRODUCT DATA

Determined per batch:

Non-Volatile Matter DIN 55671 non-volatile matter (120 °C; 5 min; 0,8 g)	[%]	68 - 72
Dynamic Viscosity DIN EN ISO 3219 dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	880 - 1140
Iodine Colour Number DIN 6162 iodine colour number		<= 2
Gel Time (UP-Resins) DIN 16945 / 6.3.1.2 gel time 2% MEKP(33%) + 1% Co(1%) (20 °C)	[min]	19 - 29

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm³]	1,11
Flash Point DIN EN ISO 1523 flash point approx.	[°C]	34

CHEMICAL RESISTANCE

The chemical resistance of the resin which should be flexibilized can be reduced by addition of UP 185 E/70. In case of doubt own preliminary tests are recommended.

DILUTABILITY WITH STYRENE

The product can be thinned with styrene in any ratio, however, additions of more than 5% are not recommended since the mechanical properties will be affected adversely.

MISCIBILITY WITH UP-RESINS

Miscibility and compatibility with other UP-resins has to be tested before use.

CURING

See technical data sheet of the resin which should be flexibilized.

SURFACE TACKINESS

For a flexible resin the air exposed surface shows only a slight surface tackiness.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

The product should be stored under exclusion of direct sunlight in the original, undamaged and closed packaging in a dry and cool place. Geltime and curing time can change during progressive storage. Shelf live is reduced at higher storage temperatures.

PRECAUTIONS

Please notice the information in the material safety data sheet (MSDS).

TANK CLEANING

If a storage tank is used, it is recommended to clean the tank at least once per year.

PRODUCT DATA OF CURED RESIN

Not continually determined:

Tensile Test (Unreinforced Plastics) DIN EN ISO 527-2		
tensile strength	[MPa]	11
breaking elongation	[%]	70

Not continually determined data do not constitute a quality description, but correspond to single values, determined on a random sample. Deviations caused by production are possible.

5.0/30.03.2017 (replaces 4.0/17.09.2013)

• Worldwide Contact Info: www.allnex.com •

Disclaimer: allnex Group companies ("allnex") decline any liability with respect to the use made by anyone of the information contained herein. The information contained herein represents allnex's best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, regarding the accuracy, the completeness or relevance of the data set out herein). Nothing contained herein shall be construed as conferring any license or right under any patent or other intellectual property rights of allnex or of any third party. The information relating to the products is given for information purposes only. No guarantee or warranty is provided that the product and/or information is adapted for any specific use, performance or result and that product and/or information do not infringe any allnex and/or third party intellectual property rights. The user should perform its own tests to determine the suitability for a particular purpose. The final choice of use of a product and/or information as well as the investigation of any possible violation of intellectual property rights of allnex and/or third parties remains the sole responsibility of the user.

© 2013 Allnex Belgium SA. All Rights Reserved

Notice: Trademarks indicated with the ®, ™ or * are registered, unregistered or pending trademarks of Allnex Belgium SA or its directly or indirectly affiliated Allnex Group companies.